

ABSTRACT

A T-handle for a filter includes an integral mechanical indicator. The T-handle indicator has a threaded portion that extends through a hole in the filter cover and retains the cover to a canister. The indicator includes a spring-biased button that provides a visual indication of whether the element needs to be replaced. The button is received in a body that is open to the pressure on the downstream side of the filter element. A pair of clips on the button engage the indicator body to retain the button in the inward (element change) position. The clips can be accessed when the T-handle indicator is removed from the filter to return the button to the outward (fresh element) position. The indicator button includes an axially-elongated slot extending radially through the button, and the body includes a corresponding pair of holes on opposite sides of the slot. A handle rod for rotating the T-handle projects through the holes in the body, and the button is constrained by the rod as the button slides within the body.

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